

CLAIMS

A fixed wheel that stabilizes and absorbs vibration and controls depth of cut when coupled to a saw blade or grinding wheel comprising:

- (a) a fixed wheel of pre-determined size preferably made from a rigid low density self lubricating material
- (b) a bearing centrally mounted in said fixed wheel which will able said fixed wheel to slowly rotate or be held stationary regardless of said central bearings internal speed of rotation
- (c) said central bearings internal bore with a fastener provides means to couple said fixed wheel to any saw blade or grinding wheel
- (d) said fixed wheel with a said pre-determined diameter coupled to said saw blade or said grinding wheel with a said pre-determined diameter creates an exact contact point between said fixed wheel diameter and the optimal depth of cut of said saw blade or said grinding wheel
- (e) position said fixed wheel coupled to said grinding wheel in a vertical
- (f) providing a flat piece of hard rigid material and placing it onto a carriage that will carry said material directly under and in line with said coupled fixed wheel grinding wheel
- (g) position said fixed wheel's diameter slightly below said material's surface height and lock said coupled fixed wheel grinding wheel into place whereby as said material passes under and through said coupled fixed wheel grinding wheel said fixed wheel pushes down on said material holding said material as said fixed wheel rolls across flat surface of said material said fixed wheel's central bearing centers said grinding wheel's rotation while said fixed wheel's low density material absorbs rotation.